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February 7, 2002

Mr. William Caton
Acting Secretary
Federal Communications Commission
445 – 12th Street, SW
Room: TW-A325
Washington, DC 20554

Re: **ET Docket No. 98-153**; Ultra-Wideband Transmission Systems

Dear Mr. Caton:

I am writing to address recent ex parte letters filed in the above captioned proceeding – two filed by XtremeSpectrum on February 4, 2002 and February 5, 2002, respectively (“Xtreme Letters”) and another filed by Time Domain on February 1, 2002 (“Time Domain Letter”) – and to reiterate Verizon Wireless’ concerns about the potential for interference from UWB devices.

The Xtreme Letters outline their latest technical proposal which would establish an emission limit of 34 dB below Part 15 levels for UWB emissions in the 960-1610 MHz band, 16 dB below Part 15 for emissions in the 1610-3100 MHz band, 10 dB below Part 15 for emissions in the 3100-4200 MHz band, and Part 15 levels for emissions above 4200 MHz. Xtreme states that this proposal “fully resolves all interference issues raised by GPC, PCS, E-911, public safety, and all other systems documented in this proceeding.”¹ This statement is not correct. As Verizon Wireless and other wireless companies have previously told the Commission, PCS systems operating in the 1850-1990 MHz band require the same level of protection as GPS – i.e., on the order of 35 dB below current Part 15 levels.

The Time Domain letter proposes an emission limit of 12 dB below Part 15 levels for UWB emissions in the 960-2000 MHz band, while emissions below 960 MHz and above 2000 MHz would be limited only by current Part 15 levels. As stated above, an emissions limit of 12 dB below Part 15 is insufficient to adequately protect PCS

¹ Ex Parte Communications of XtremeSpectrum, Inc., in response to ET Docket No. 98-153, filed on February 5, 2002.

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operations. Moreover, the limits that currently apply to emissions below 960 MHz, as specified in Part 15.209(a) of the Commission's rules, are woefully inadequate to protect cellular systems operating in the 824-894 MHz cellular band. We have previously asked the Commission to limit the authorization of UWB below 1 GHz to ground penetrating radar systems and other similarly designed systems that would not cause harmful interference to cellular systems. We urge you to adopt rules consistent with this proposal.

Please include a copy of this ex parte presentation in the record for the above captioned proceeding. If you have any questions, you may call me on (202) 589-3785.

/s/
Donald C. Brittingham

cc: Chairman Powell
Commissioner Abernathy
Commissioner Copps
Commissioner Martin
P. Tenhula
B. Tramont
P. Margie
M. Desai
E. Thomas
B. Franca
J. Knapp
T. Sugrue
D. Furth